

**NAME**

hkradial – scan along a radius in the *HL*-plane in reciprocal space

**SYNOPSIS**

```
hkradial angle start end intervals time [expression]
```

**DESCRIPTION**

The hkradial macro scans along a radius in the *HL*-plane in reciprocal space. The angle of the arc from the positive H axis is given by *angle* and the scan runs from the radius given by *start* to the radius given by *end*. The number of data points collected will be *intervals*+1. Count time is given by *time*, which if positive, specifies seconds and if negative, specifies monitor counts.

The optional last argument can supply expressions to be evaluated after H and L are calculated for each point. You may, for example, supply an expression to calculate values for K or include expressions to offset the values of H and L.

**EXAMPLES**

```
hkradial 45 .0 sqrt(2) 10 10  
hkradial 90 0 1 20 60 "H+=.5; L+=.5"
```

**SEE ALSO**

hklskan hscan kscan lscan hkcircle hlcircle klcircle hkradial klradial